Power Entry Box Filter Replacement

Document number: 719-00615A-A

Product

- Magnus VLF
- Magnus VLF CL
- Magnus VLF MCU

FCO priority

Next failure

See FCO CA09020.

Machines affected Series 2 devices with TH3.

Background

Power entry box filter LF1 must be replaced with a new one.

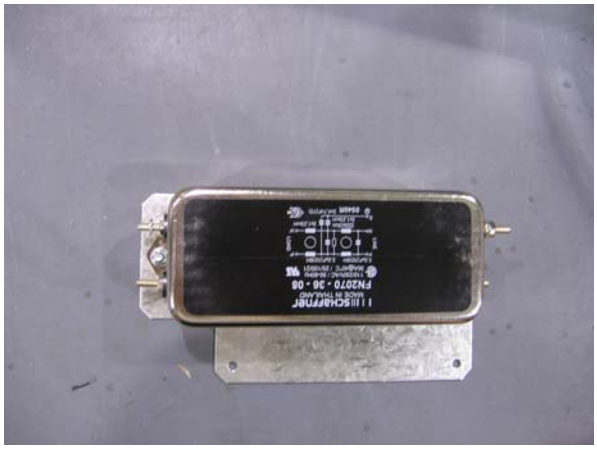
Time required Approximately one half hour.

Parts required

Part Number	Part Name	Quantity
512-00333A	Upgrade kit	1

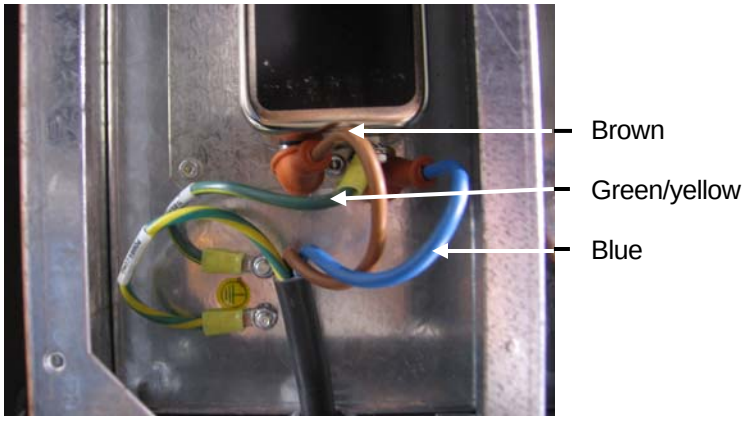
Procedure

1. Turn the Magnus VLFs main power switch to **OFF**.
2. Unplug both the AC power cables from the power receptacles and label the loose plugs with a 'Do Not Plug in' label to ensure that nobody plugs them in while you are performing the upgrade.
3. Remove the six screws securing the power entry box (PEB) panel and remove the panel.
4. Disconnect the wiring from filter LF1 and remove the filter from the device. Return this filter to Vancouver to be reused.
5. Mount the new filter to the adapter plate.

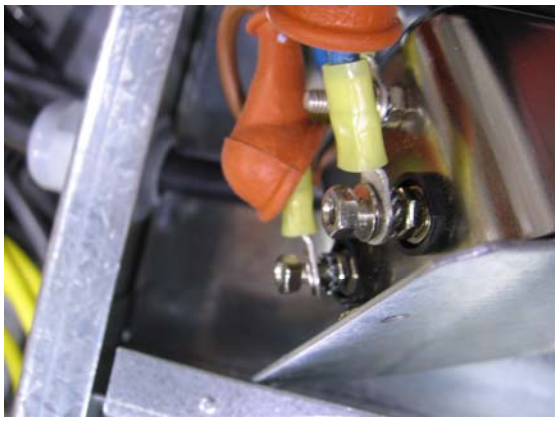


6. Install the new filter and adapter plate assembly in the PEB.
7. Connect the AC power cable's live and neutral wires to LF1.

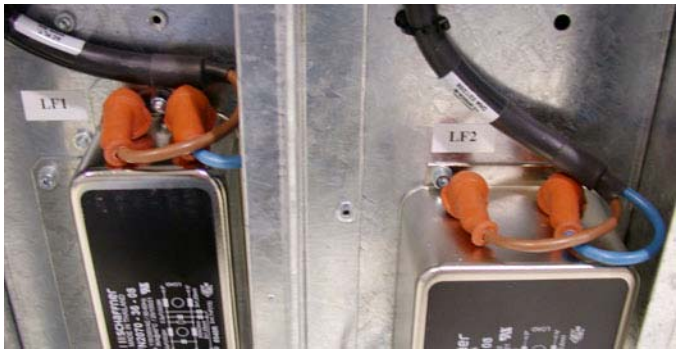
Note: The incoming AC power cable's ground wire must be connected directly to the M5 grounding stud on the PEB backplane.



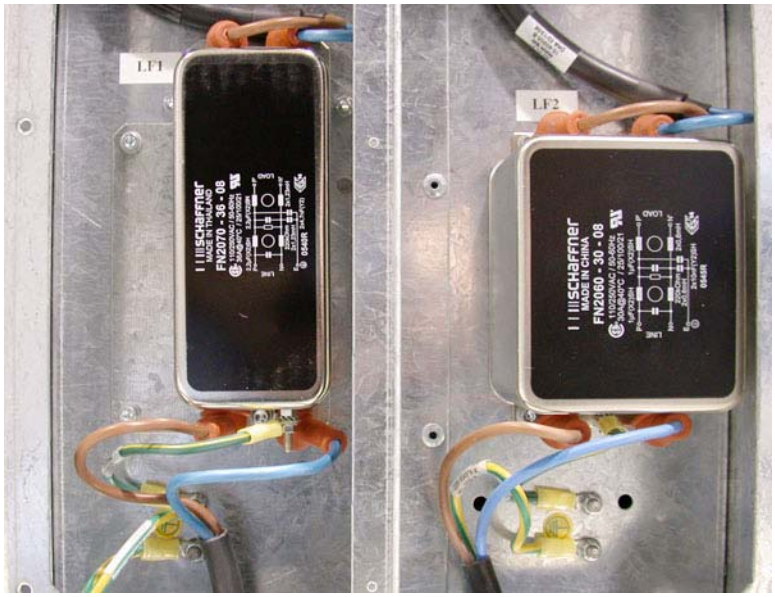
To secure the wires to the filter, first put on an external tooth washer, then the wire lug, then a flat washer, and lastly the nut.



8. Connect a ground wire (10-9092A) between the other M5 grounding stud and the grounding terminal on LF1.
9. Connect the device wires from cable 10-9090A to the output terminals on top of LF1—brown on the left and blue on the right.



10. Check the ground wire (10-9092A) between the PEBs M5 grounding stud and the grounding terminal on LF2 for good connection, and check that an external toothed washer is used. If the ground wire is missing, install the ground wire on it.



11. Put the red rubber boots over the terminals after the terminals have been tightened.
12. Install the PEB panel.
13. Plug in both AC power cables and turn the device's main power switch to **ON**.

See also	PEB wiring schematic (709-00209B)
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